BRUHAT BANGALORE MAHANAGARA PALIKE

Asphaltingto main road and cross roads in Abbigere, Sapthagiri Layout and Surrounding areas in Ward no 12, Shettyhalli Sub Division in Dasarahalli Zone

Comparative Statement

Item No	Description of Item	Unit	As Per Rate quoted by Contractor Sri SHIVAKUMAR N.M			As Per Modified Estimate			Exess		Savings		REMARKS
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Qty	Amount	
1	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications	Sqm	4803.00	102.00	489906.00	4467.08	102.00	455642.00			335.93	34264.00	
2	Earthwork excavation by manual means in Ordenary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications	Cum	852.75	220.00	187605.00	729.24	220.00	160434.00			123.51	27171.00	
3	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	211.65	1200.00	253980.00	211.65	1200.00	253980.00			0.00	0.00	
4	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum & Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.	Cum	1424.62	100.00	142462.00	1298.26	100.00	129826.00			126.36	12636.00	
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)	Sqm	108.00	2337.00	252396.00	108.00	2337.00	252396.00			0.00	0.00	
6	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)	Sqm	14.40	5418.00	78020.00	14.40	5418.00	78020.00			0.00	0.00	
7	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm	6304.00	6.00	37824.00	5968.08	6.00	35808.00			335.93	2016.00	
8	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	450.70	2200.00	991540.00	383.52	2200.00	843733.00			67.19	147807.00	

	Description of Item	Unit	As Per Rate quoted by Contractor Sri SHIVAKUMAR N.M			As Per Modified Estimate			Exess		Savings		REMARKS
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Qty	Amount	
9	Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications.	Cum	94.12	6000.00	564720.00	94.12	6000.00	564726.00			0.00	-6.00	
10	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051 2.2 design mix M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	94.12	6500.00	611780.00	94.12	6500.00	611787.00			0.00	-7.00	
11	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	5676.50	33.00	187325.00	5340.58	33.00	176239.00			335.93	11086.00	
12	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications :- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr II (50 mm to 75 mm) with 4.5 % VG 30 Bitumen	Cum	283.83	8750.00	2483513.00	267.03	8750.00	2336502.00			16.80	147011.00	
13	Providing and applying tack coat using 80/100 grade bitumen (VG10) on granular base such as WBM surfaces hot bitumen primed at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HGM of machineries complete as per specifications	Sqm	5676.50	12.00	68118.00	5340.58	12.00	64087.00			335.93	4031.00	

Sl. No.	Description of Item	Unit	As Per Rate quoted by Contractor Sri SHIVAKUMAR N.M			As Per Modified Estimate			Excess		Savings		REMARKS
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Qty	Amount	
20	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5.51	6307.00	34752.00	5.51	6307.00	34767.00			0.00	-15.00	
21	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	88.20	149.00	13142.00	88.20	149.00	13142.00			0.00	0.00	
22	Providing and constructing load bearing wall with 400x150x200mm solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm	154.43	1200.00	185316.00	154.43	1200.00	185316.00			0.00	0.00	
23	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	308.85	234.00	72271.00	308.85	234.00	72271.00			0.00	0.00	
24	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	308.85	116.00	35827.00	308.85	116.00	35827.00			0.00	0.00	
				SUB TOTAL	8968015.00		SUB TOTAL	8474483.00				493526.00	
				GST 12%	1076161.80		GST 18%	1525406.94					
				Micelleneous			Micelleneous	110.06					
				GRANDTOTAL	10044176.80		GRANDTOTAL	10000000.00					

Percentage Savings over Tender amount = ({ 10044176.8 - 10000000}/10044176.8}) = 0.4398 %

Assistant Engineer
Ward No.12

Assistant Executive Engineer
Shettyhalli Sub division

Executive Engineer
Dasarahalli Division

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division Bangalore-57